

## ABSTRACT

### METHOD AND APPARATUS FOR AN EXTRACORPOREAL TREATMENT DEVICE TO CONTROL BLOOD WITHDRAWAL AND INFUSION

A method and apparatus are disclosed for controlling blood flow through an extracorporeal blood circuit having a controller comprising the steps of: withdrawing the blood from a withdrawal blood vessel in a patient into the extracorporeal circuit, treating the blood in the circuit and infusing the treated blood into the patient; detecting an occlusion which at least partially blocks the withdrawal or infusion of the blood; reducing the blood flow rate and the rate of filtration in response to the occlusion, and further prompting the patient to move his arm in an effort to alleviate the occlusion.